

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)  
EVIDENCE AUDIT CHECKLIST  
U.S. Environmental Protection Agency - Region 8  
Environmental Services Division, Multi-Media Branch  
Analytical Operations Section**

Audit Number: 08120/08  
Date CSF Received: 01/3/08  
Received By: Carol Blair  
Date of Audit: 01/31/08  
Audited By: Carol Blair  
Resubmitted CSF? Yes ☐ No ☒  
Lab Name: Chemtech Consulting Group  
Lab Location: Mountainside, NJ

Site Name: Richardson Flats Tailings  
Site Manager: Kathryn Hendley  
RAS Number: 37093  
ULSA Number:                       
SDG Number: M124R9  
Number of Samples: 16/2/W  
CLP Lab Code: CHEM

**AUDIT CHECKLIST**

CHAIN OF CUSTODY

- |   |   |
|---|---|
| 1. Custody Seal Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Unsigned <input type="checkbox"/> |   |
| 3. Chain of Custody Record(s) Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. Airbill Present?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>862782815611</u>   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 10. Airbill Signed?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. Airbill Dated?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Sample Tags Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Should Sample Tags be Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

FORM DC-2

- 14. Form DC-2 Present?
- 15. Numbering Scheme on Form DC-2 Correct?
- 16. Enclosed Documents Listed?
- 17. Listed Documents Enclosed?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

FORM DC-1

- 18. Form DC-1 Present?
- 19. Form DC-1 Complete?
- 20. Form DC-1 Correct?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

*See comments*

DOCUMENT CONTROL

- 1. Laboratory Documents Complete?
- 2. Laboratory Documents Legible?
- 3. Original Documents Included in CSF?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

DATA INSPECTION

- 1. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
- 2. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?
- 3. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
- 4. Percent Solids Form present for soil samples?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

Note: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

IT NUMBER: 08/20/08

MENTS AND NOTES:

Complete sample tag numbers are not listed on Form DC-1

CandBent 01/31/08

itor

Date

EPA OFFICIAL SEALS PAGE

ase attach all custody seals below:

<b>CHEMTECH</b> 284 Sheffield St. • Mountainside, NJ 07092 (908) 789-8900 • Fax (908) 789-8922	<b>CUSTODY SEAL</b> Date: _____ Signature: <u>[Signature]</u> Project: _____
--	--

AUDIT NUMBER: 08/20/08

EPA CLP ELECTRONIC DISKETTES(S)

CASE #: 37093 SDG #: MH24R9

SITE NAME: Richardson Flat Tailings

RPM: Kathryn Hernandez

DATE: 01/31/08

AUDITOR: Carin Bean

Audit # 08/20/08  
RAS # 37093  
SDG - MH24R9  
Site - Richardson Flat Tailings  
RPM - Kathryn Hernandez  
Date - 01/31/08  
LAB - CHEM

## USEPA - CLP

## COVER PAGE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047Lab Code: CHEM Case No.: 37093 NRAS No.: \_\_\_\_\_ SDG No.: MH24R9SOW No.: ILM05.4

## EPA Sample No.

MH24R9  
MH24S0  
MH24S1  
MH24S1D  
MH24S1S  
MH24S2  
MH24S3  
MH24S4  
MH24S5  
MH24S6  
MH24S9  
MH24T0  
MH24T1  
MH24T2  
MH24T3  
MH24T4  
MH24W5  
MH24W6  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Lab Sample ID

Y5799-01  
Y5799-02  
Y5799-03  
Y5799-04  
Y5799-05  
Y5799-06  
Y5799-07  
Y5799-08  
Y5799-09  
Y5799-10  
Y5799-11  
Y5799-12  
Y5799-13  
Y5799-14  
Y5799-15  
Y5799-16  
Y5799-17  
Y5799-18  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Were ICP-AES and ICP-MS interelement corrections applied?

(Yes/No)

ICP-AES

ICP-MS

YES

Were ICP-AES and ICP-MS background corrections applied?

(Yes/No)

YES

If yes, were raw data generated before application of background corrections?

(Yes/No)

NO

## Comments:

THE "E" QUALIFIERS ON FORM I AND VIII FOR POTASSIUM AND SODIUM INDICATE CHEMICAL OR PHYSICAL INTERFERENCE EFFECTS, WHICH WERE SUSPECTED DURING THOSE ELEMENTS' ANALYSES ONLY.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Zh. Rohani for PHName: PARVEEN HASANDate: 1/2/08Title: EPA PROJECT MANAGER

## **CHEMTECH**

**284 Sheffield Street  
Mountainside, NJ 07092**

### **SDG NARRATIVE**

**USEPA**

**SDG # MH24R9**

**CASE # 37093**

**CONTRACT # EPW06047**

**LAB NAME: CHEMTECH CONSULTING GROUP**

**LAB CODE: CHEM**

**CHEMTECH PROJECT #Y5799**

#### **A. Number of Samples and Date of Receipt**

1 Water Samples were delivered to the laboratory intact on 10/03/07.

#### **B. Parameters**

Test requested for Metals CLP Full.

#### **C. Cooler Temp**

Indicator Bottle: Presence/Absence

Cooler: 4°C

#### **D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):**

#### **E. Corrective Action taken for above:**

#### **F. Analytical Techniques:**

All analyses were based on CLP Methodology by method ILM05.4

#### **G. Calculation:**

For ICP-AES:

Result in Ug/L on Forms = Results in ppm (ICP-AES Raw Data) X 1000

**CHEMTECH**

**284 Sheffield Street  
Mountainside, NJ 07092**

**H. QA/ QC**

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Silver. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Potassium & Sodium.

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature Zh. Rohani for PH

Name: Parveen Hasan

Date 11/2/08

Title: Project Manager

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Page 1 of 1

Received By (Print Name) <i>snchal Zuhair Ali</i>				Log-in Date 12/17/2007	
Received By (Signature) <i>Zuhair Ali</i>				12/20/07	
Case Number 37093		Sample Delivery Group No. MH24R9		NRAS Number	
Remarks:		Corresponding			
1. Custody Seal(s) <input checked="" type="checkbox"/> Present/ <input type="checkbox"/> Absent* <input checked="" type="checkbox"/> Intact/ <input type="checkbox"/> Broken					
2. Custody Seal Nos. <i>N/A</i>					
3. Traffic Reports/Chain Of Custody Reports or Packing Lists <input checked="" type="checkbox"/> Present/ <input type="checkbox"/> Absent*					
4. Airbill <input checked="" type="checkbox"/> Airbill/ <input type="checkbox"/> Sticker <input checked="" type="checkbox"/> Present/ <input type="checkbox"/> Absent*					
5. Airbill No. <i>862782815611</i>					
6. Sample Tags <input checked="" type="checkbox"/> Present/ <input type="checkbox"/> Absent* Sample Tag # <input checked="" type="checkbox"/> Listed/ <input type="checkbox"/> Not Listed On TR/Chain-of-Custody					
7. Sample Condition <input checked="" type="checkbox"/> Intact/ <input type="checkbox"/> Broken*/Leaking					
8. Cooler Temperature Indicator Bottle <input checked="" type="checkbox"/> Present/ <input type="checkbox"/> Absent*					
9. Cooler Temperature <i>4°C</i>					
10. Does information on custody records, traffic reports, and sample tags agree? <input checked="" type="checkbox"/> Yes/ <input type="checkbox"/> No*					
11. Date Received at Lab <i>12/20/07</i>					
12. Time Received <i>1510</i>					
Sample Transfer					
Fraction	Fraction				
Area #	Area # <i>20</i>				
By	By				
On	On				
* Contact SMO and attach record of resolution					
Reviewed By <i>Zh. Kohari</i>				Logbook No. <i>50</i>	
Date <i>11/2/08</i>				Logbook Page No.	

FORM DC-1

ILM05.3

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**FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET**

LABORATORY NAME <b>CHEMTECH CONSULTING GROUP, INC.</b>	
CITY/STATE <b>MOUNTAINSIDE, NJ</b>	
CASE NO. <b>37093</b>	SDG NO. <b>MH24R9</b>
SDG NOs TO FOLLOW _____	
NRAS NO. _____	
CONTRACT NO. <b>EPW06047</b>	
SOW NO. <b>ILM05.4</b>	

All documents delivered in the Complete SDG File must be original documents where possible. (Reference – Exhibit B Section 2.6)

	PAGE NOs		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>1</u>	<u>✓</u>	<u>✓</u>
2. SDG Narrative	<u>2</u>	<u>3</u>	<u>✓</u>	<u>✓</u>
3. Sample Log-In Sheet (DC-1)	<u>4</u>	<u>4</u>	<u>✓</u>	<u>✓</u>
4. Inventory Sheet (DC-2)	<u>5</u>	<u>6</u>	<u>✓</u>	<u>✓</u>
5. Traffic Report/Chain of Custody Record(s)	<u>7</u>	<u>9</u>	<u>✓</u>	<u>✓</u>
<b>Inorganic Analysis</b>				
6. Data Sheet (Form IA-IN)	<u>10</u>	<u>25</u>	<u>✓</u>	<u>✓</u>
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>26</u>	<u>28</u>	<u>✓</u>	<u>✓</u>
8. CRQL Standard (Form IIB-IN)	<u>29</u>	<u>30</u>	<u>✓</u>	<u>✓</u>
9. Blanks (Form III-IN)	<u>31</u>	<u>32</u>	<u>✓</u>	<u>✓</u>
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>33</u>	<u>34</u>	<u>✓</u>	<u>✓</u>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>N/A</u>	<u>N/A</u>	<u>✓</u>	<u>✓</u>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>35</u>	<u>35</u>	<u>✓</u>	<u>✓</u>
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>36</u>	<u>36</u>	<u>✓</u>	<u>✓</u>
14. Duplicates (Form VI-IN)	<u>37</u>	<u>37</u>	<u>✓</u>	<u>✓</u>
15. Laboratory Control Sample (Form VII-IN)	<u>38</u>	<u>38</u>	<u>✓</u>	<u>✓</u>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>39</u>	<u>39</u>	<u>✓</u>	<u>✓</u>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>40</u>	<u>41</u>	<u>✓</u>	<u>✓</u>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>42</u>	<u>42</u>	<u>✓</u>	<u>✓</u>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>43</u>	<u>46</u>	<u>✓</u>	<u>✓</u>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>47</u>	<u>47</u>	<u>✓</u>	<u>✓</u>
21. Preparation Log (Form XII-IN)	<u>48</u>	<u>48</u>	<u>✓</u>	<u>✓</u>

	PAGE NOs		CHECK	REGION
	FROM	TO	LAB	
22. Analysis Run Log (Form XIII-IN)	<u>49</u>	<u>50</u>	<u>✓</u>	<u>✓</u>
23. ICP-MS Tune (Form XIV-IN)	<u>N/A</u>	<u>N/A</u>	<u>  </u>	<u>  </u>
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	<u>N/A</u>	<u>N/A</u>	<u>  </u>	<u>  </u>
25. ICP-AES Raw Data	<u>51</u>	<u>108</u>	<u>✓</u>	<u>✓</u>
26. GFAA Raw Data (If Applicable)	<u>N/A</u>	<u>N/A</u>	<u>  </u>	<u>  </u>
27. ICP-MS Raw Data	<u>N/A</u>	<u>N/A</u>	<u>  </u>	<u>  </u>
28. Mercury Raw Data	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
29. Cyanide Raw Data	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
30. Preparation Logs Raw Data	<u>133</u>	<u>134</u>	<u>✓</u>	<u>✓</u>
31. Percent Solids Determination Log	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
32. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments <u>01</u> )	<u>135</u>	<u>135</u>	<u>✓</u>	<u>✓</u>
Sample Tags ( <i>In a Plastic Bag w/ Page #</i> )	<u>144</u>	<u>144</u>	<u>✓</u>	<u>✓</u>
Sample Log-In Sheet (Lab)	<u>136</u>	<u>139</u>	<u>✓</u>	<u>✓</u>
33. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	<u>N/A</u>	<u>N/A</u>	<u>  </u>	<u>  </u>
<u>PE Instruction Page</u>	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
<u>Modified Analysis Page</u>	<u>  </u>	<u>  </u>	<u>✓</u>	<u>  </u>
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
<u>Internal Lab COC</u>	<u>140</u>	<u>141</u>	<u>✓</u>	<u>✓</u>
<u>Lab Chronicle</u>	<u>142</u>	<u>143</u>	<u>✓</u>	<u>✓</u>
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records <u>                    </u>	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
Analysis Records <u>                    </u>	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
Description <u>                    </u>	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
36. Other Records (describe or list)				
Telephone Communications Log	<u>  </u>	<u>  </u>	<u>  </u>	<u>  </u>
<u>STD Certification/ Traceability &amp; Log Page</u>	<u>109</u>	<u>132</u>	<u>✓</u>	<u>✓</u>

37. Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Completed By:  
 (CLP Lab) Zh. Rohani for PH  
 (Signature)

Paveen Hasan, Project Manager  
 (Print Name & Title)

1/2/08  
 (Date)

Audited By:  
 (USEPA) [Signature]  
 (Signature)

Caul Beard  
 (Print Name & Title)

01/31/08  
 (Date)

## Sample Delivery Group (SDG) Cover Sheet

SDG Number: MH24R9☒ ICP-AES Analysis☐ ICP-MS AnalysisLaboratory  
Name: CHEMTECHLaboratory  
Code: CHEMContract  
No. EPW06047Case No. 37093Analysis  
Price \_\_\_\_\_

SDG Turnaround

14 days

Modified Analysis (if applicable):

Modification Reference No: N/A

## USEPA Sample Numbers in SDG (Listed in Numerical Order)

MH24R9	MH24S0	MH24S1	MH24S1D
MH24S1S	MH24S2	MH24S3	MH24S4
MH24S5	MH24S6	MH24S9	MH24T0
MH24T1	MH24T2	MH24T3	MH24T4
MH24W5	MH24W6		

First Sample in SDG

MH24R9

Last Sample in SDG

MH24W6

First Sample Receipt Date

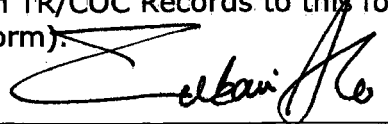
12/20/2007 3:10:00 PM

Last Sample Receipt Date

12/20/2007 3:10:00 PM

**Note:** There are a maximum of 20 **field** samples (excluding PE samples) in an SDG.  
Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Signature



Date

12/20/07

7



**USEPA Contract Laboratory Program  
Inorganic Traffic Report & Chain of Custody Record**

Case No: 37093

DAS No:

SDG No:

MH24R9 L

<b>Date Shipped:</b> <b>Carrier Name:</b> FedEx <b>Airbill:</b> <b>Shipped to:</b> ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	<b>Chain of Custody Record</b>		<b>Sampler Signature:</b> <i>[Signature]</i>	<b>For Lab Use Only</b> <b>Lab Contract No:</b> EPW06047 <b>Unit Price:</b> <b>Transfer To:</b> <b>Lab Contract No:</b> <b>Unit Price:</b>	
	<b>Relinquished By</b>	<b>(Date / Time)</b>	<b>Received By</b>		<b>(Date / Time)</b>
	1 <i>[Signature]</i>	12/19/07 14:15	SPECIAL MEDIA		12/20/07
	2				15110
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24R9	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338303 (1)	SW-2	S: 12/17/2007 12:00		
MH24S0	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338304 (1)	SW-2	S: 12/17/2007 12:00		
MH24S1	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338305 (1)	SW-3	S: 12/17/2007 12:00		
MH24S2	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338306 (1)	SW-3	S: 12/17/2007 12:00		
MH24S3	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338307 (1)	SW-4	S: 12/17/2007 12:00		
MH24S4	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338308 (1)	SW-4	S: 12/17/2007 12:00		
MH24S5	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338309 (1)	SW-5	S: 12/17/2007 12:00		
MH24S6	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338310 (1)	SW-5	S: 12/17/2007 12:00		
MH24S9	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338313 (1)	SW-7	S: 12/17/2007 12:00		
MH24T0	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338314 (1)	SW-7	S: 12/17/2007 12:00		

<b>Shipment for Case Complete?</b>	<b>Sample(s) to be used for laboratory QC:</b> MH24S1, MH24S2	<b>Additional Sampler Signature(s):</b>	<b>Cooler Temperature Upon Receipt:</b> 4°C	<b>Chain of Custody Seal Number:</b> N/A
<b>Analysis Key:</b> DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals	<b>Concentration:</b> L = Low, M = Low/Medium, H = High	<b>Type/Designate:</b> Composite = C, Grab = G		<b>Custody Seal Intact?</b> <i>[Initials]</i> <b>Shipment Iced?</b> <i>[Initials]</i>

TR Number: 8-065602925-121907-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

**LABORATORY COPY**



**USEPA Contract Laboratory Program**  
**Inorganic Traffic Report & Chain of Custody Record**

Case No: 37093  
DAS No:  
SDG No: MH24R9 L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	<b>Chain of Custody Record</b>		Sampler Signature: <i>[Signature]</i>	<b>For Lab Use Only</b> Lab Contract No: EPW06047 Unit Price: Transfer To: Lab Contract No: Unit Price:	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>[Signature]</i>	12/19/07 / 14:15	S. REMAL M. ENTA		12/20/07
	2				15:10
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH24T1	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338315 (1)	SW-8	S: 12/17/2007 12:00		
MH24T2	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338316 (1)	SW-8	S: 12/17/2007 12:00		
MH24T3	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338317 (1)	SW-9	S: 12/17/2007 12:00		
MH24T4	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338318 (1)	SW-9	S: 12/17/2007 12:00		
MH24W5	Surface Water/ Chris Hayes	M/G	DM (14)	TAG338329 (1)	SW-15	S: 12/17/2007 12:00		
MH24W6	Surface Water/ Chris Hayes	M/G	TM (14)	TAG338330 (1)	SW-15	S: 12/17/2007 12:00		

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: MH24S1, MH24S2	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <i>[Initials]</i>	Shipment Iced? <i>[Initials]</i>
DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals				

TR Number: 8-065602925-121907-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

**LABORATORY COPY**

## USEPA - CLP

1A-IN  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH24R9

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047Lab Code: CHEM Case No.: 37093 NRAS No.: \_\_\_\_\_ SDG No.: MH24R9Matrix: (soil/water) WATER Lab Sample ID: Y5799-01Level: (low/med) LOW Date Received: 12/20/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.6	J		P
7440-36-0	Antimony	11.6	J		P
7440-38-2	Arsenic	17.1			P
7440-39-3	Barium	92.2	J		P
7440-41-7	Beryllium	0.17	J		P
7440-43-9	Cadmium	1.8	J		P
7440-70-2	Calcium	308000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.2	J		P
7439-89-6	Iron	1650			P
7439-92-1	Lead	19.8			P
7439-95-4	Magnesium	73200			P
7439-96-5	Manganese	4070			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.4	J		P
7440-09-7	Potassium	3600	J	E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	127000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	1010			P
57-12-5	Cyanide				NR

Color Before: COLORLESSClarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESSClarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

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